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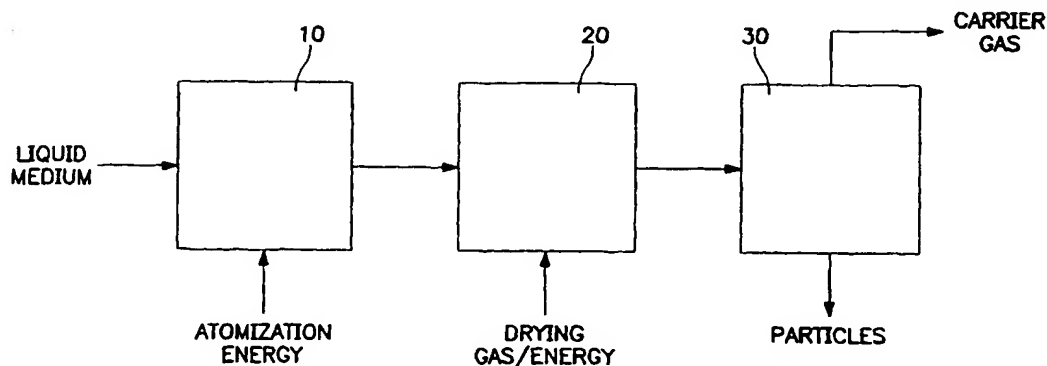
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(54) Title: **APPARATUS AND PROCESS TO PRODUCE PARTICLES HAVING A NARROW SIZE DISTRIBUTION AND PARTICLES MADE THEREBY**



(57) Abstract: The present invention is directed to particles, including liquid droplets and dry particulates, having a narrow particle size distribution made from a liquid feed stock. In particular, the invention is directed to producing particles of a desired median diameter and narrow particle size distribution without the need for additional separation processing. The process of the present invention can be tailored to produce substantially monodisperse particles or multimodal particles having well defined and controllable particle size distributions. The present invention is particularly well suited for producing particles for pulmonary administration.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 051 257 A (TOIVO T. KODAS, ET AL.) 18 April 2000 (2000-04-18) the whole document -----	1-31

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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